

This scheduled topics and readings for each lecture are tentative and subject to change. Exam dates and homework due dates are set.

Remember: see [Moodle](#) for quizzes, [piazza](#) for the discussion board, the [iTrust wiki](#) for project information, the [syllabus](#) for course policies, and [Wolfware Classic](#) for grades.

Key:

Regular lecture day (white background)
No class/lecture/lab (grey background)
Lab day (pink background)

Dates	Notes	Lecture Notes, Other Details
Jan 9 Mon	University Closed	
Jan 11 Wed	Course introduction (Dr. Heckman is subbing for Dr. Stolee)	Lecture Notes: • Course Introduction • Pair Programming Assigned Reading: • Text: An Introduction to Software Engineering Edition I (Author: Laurie Williams) ◦ An Introduction to Software Engineering (p3 - p13) ◦ Software Reviews and Pair Programming (p14 - 35) • The Syllabus Assigned Homework: • Homework 1 Part 1 (due Friday 01/13/2017 Tuesday 01/17/2017) • Homework 1 Part 2 (due Wednesday 01/18/2017) • Sign up for Piazza! (not official homework, but you should do this to keep up with things.)
Jan 12 Thurs	Lab day 1 (No office hours for Dr. Stolee today)	Pre-lab: • Watch video: Grady Booch Future of Software Engineering • Pre-lab quiz on Moodle Lab 1 instructions
Jan 16	MLK Day	No class

Mon		
Jan 17 Tues	Tuesday - no class	Homework Due: • Homework 1 Part 1
Jan 18 Wed	Crash course in testing Bug reporting	Lecture Notes: • Announcements • Crash course on testing Assigned Reading: • Text: An Introduction to Software Engineering Edition I (Author: Laurie Williams) ◦ Testing Overview and Black Box Testing Techniques (p36 - p68) ◦ White box testing (p69 - p85) ◦ Automated testing including JUnit (p86 - p109)
Jan 19 Thurs	Lab day 2	iTrust bug hunt and reporting CATME setup Lab 2 instructions
Jan 20 Fri	Friday - no class	Homework Due: • Homework 1 Part 2
Jan 23 Mon	Testing crash course continues Career fair primer with Leslie	Announcements: • No office hours for Brandon Thorne today • 4pm today, Triangle Distinguished Lecture • Leslie Rand-Pickett's blog Lecture Notes: • Announcements • Crash course on testing, part 2 Assigned: • Homework 2 Part 1
Jan 25 Wed	Testing crash course continues Task planning and estimating	Class canceled - instructor illness Lecture Materials: • Crash course on testing, part 3 • Task estimation, planning poker
Jan 26 Thurs	Lab day 3	Prelab: • Watch the planning poker Youtube video - you'll be doing this in lab • Read through Homework 2 Part 1 and mark down question and points that need clarification. Bring a printout of the assignment to lab

		Bring 8 notecards or small pieces of paper to lab. These will be your poker cards. Write the following numbers on the cards, one number on each card: 1, 2, 3, 5, 8, 13, 20, 40 Lab 3 instructions
Jan 30 Mon	Test quality Code inspection	Lecture Materials: Test quality and inspections Assigned: Homework 2 Part 2 Homework Due: - Homework 2 Part 1 (10pm)
Feb 1 Wed	Career Fair	No class -- Dr. Stolee will have extra office hours today from 10:40 - 11:30
Feb 2 Thurs	Lab day 4	Design and test review Lab 4 instructions
Feb 6 Mon	Design notations	Lecture Materials: Design and UML HW3 Teams Assigned Reading: - Text: An Introduction to Software Engineering Edition I (Author: Laurie Williams) - An introduction to the Unified Modeling Language (p.282 - p302) Homework Assigned: Homework 3 Part 1 Homework 3 Part 2 Homework Due: - Homework 2 Part 2
Feb 8 Wed	Design patterns	Lecture Materials: Design Patterns Git ninja tutorial Homework Assigned: Homework 3 Part 3
Feb 9 Thurs	Lab day 5	Wireframing Homework 3 inspection Lab 5 instructions

Feb 13 Mon	Pull requests Requirements engineering	Homework Due: - Homework 3 Part 1 Lecture Materials: Pull Requests in Git Requirements Engineering Assigned Reading: - Text: An Introduction to Software Engineering Edition I (Author: Laurie Williams) - Requirements Engineering and Elicitation (p120-151) - Use Case-based Requirements (p152-176) Helpful Readings: GitHub Pull Requests Documentation Pull Request Tutorial Understanding the GitHub Flow Command line video of pull request and conflict resolution
Feb 15 Wed	User Stories	Lecture Materials: User Stories Assigned Reading: - Text: An Introduction to Software Engineering Edition I (Author: Laurie Williams) - User Story-Based Requirements Elicitation (p177-193)
Feb 16 Thurs	Lab day 6	Design and test inspection Lab 6 instructions
Feb 20 Mon	CRC cards	Activities: CRC Card Part 1 CRC Card Part 2 CRC Card Part 3 Lecture Materials: CRC Cards
Feb 21 Tues	No class (Tuesday)	Homework Due: Homework 3 Part 2 (CATME due 02/21)
Feb 22 Wed	Architecture (part 1)	Activities: Repository and Blackboard Short recap exercise Lecture Materials: Architecture Patterns (part 1)

Feb 23 Thurs	Lab day 7	Lab 7 instructions
Feb 27 Mon	Midterm review	Study Materials: • Spring 2017 Study Guide • Fall 2016 Question Bank • Fall 2015 Study Guide Homework Due: • Homework 3 Part 3 Lecture: • Midterm Review Slides
Mar 1 Wed	Midterm Exam	Closed Book Closed Note
Mar 2 Thurs	Lab day 8 Project discussion	Lab 8 instructions Assigned: • Semester Project
Mar 6 - Mar 10	Spring Break	No Classes No Lab No Office hours
Mar 13 Mon	Agile	Lecture Materials: • Semester Project revisit • Midterm recap • Agile Slides Activities: • Agile and your project
Mar 15 Wed	Scrum	Assigned Reading: • Text: An Introduction to Software Engineering Edition I (Author: Laurie Williams) ◦ A Survey of Plan-Driven Development Methodologies p.194-219 ◦ A Survey of Agile Development Methodologies p.220-238 Activities: • Release Planning Activity • ScrumMaster Activity Lecture Materials: • Agile and Scrum slides
Mar 16 Thurs	Lab day 9	Lab 9 instructions Iteration 0 Due
Mar 20	Empirical SE	Lecture Activities:

Mon		• Google Form for Survey • Which Methodology? Lecture Notes: • Empirical SE
Mar 22 Wed	Teaming	Assigned Reading: • Text: An Introduction to Software Engineering Edition I (Author: Laurie Williams) ◦ Risk Management p.259-281 Activities: • Team Processes Lecture Notes: • Teaming
Mar 23 Thurs	Lab day 10	Team meeting Demos of Iteration 1
Mar 27 Mon	Risk Management	Lecture Notes: • Risk assessment Activities: • Risks
Mar 29 Wed	Architecture (part 2) OO Metrics	Lecture Notes: • Software Architecture Patterns (part 2) • OO Metrics Activities: • Cyclomatic Complexity
Mar 30 Thurs	Lab day 11	Team meeting Demos of Iteration 2
Apr 3 Mon	Maintenance Code Smells	Lecture Notes: • OO Metrics (part 2) Lecture Activities: • Which type of maintenance?
Apr 5 Wed	Refactoring	Lecture Notes: • Maintenance + Smells + Refactoring Lecture Activities: • Software maintenance reflection • iTrust Code Smell Hunt
Apr 6 Thurs	Lab day 12	Team meeting

		Demos of Iteration 3 Project Maintenance Update: • Code Smells
Apr 10 Mon	Privacy	Lecture Notes: • Privacy Lecture Activities: • Privacy Policies
Apr 12 Wed	Security	Lecture Notes: • Security Lecture Activities: • Hacking iTrust
Apr 13 Thurs	Lab day 13	Team meeting Demos of Iteration 4 Discussion of final demo
Apr 17 Mon	Future of SE: Crowds	Lecture Notes: • Crowdsourced SE Lecture Activities: • Crowd Documentation Survey
Apr 19 Wed	Demo prep	No class
Apr 20 Thurs	Lab day 14	Project screencast demos (Voting is used for lab participation) Lab 201: Best in Show Voting Lab 202: Best in Show Voting Lab 203: Best in Show Voting Lab 204: Best in Show Voting Lab 205: Best in Show Voting (Questions for final exam is not used for lab participation - see the Topics List for guidance) Questions for Final Exam (Google Form - due 4/24 at 11:59pm)
April 21 Fri	No Class	Throw a pie at Dr. Stolee for charity (or catharsis)! As part of the Helping Hand Project "Pie Your Professor" event, Dr. Stolee has been requested to show up for a pieing. Accordingly, she will show up in the grass of the oval at 3:45 on Friday, April 21. Don't pass up this opportunity!
Apr 24	Class demo day	Lecture Activities:

Mon		• Best in Show - Whole Class • TA evaluations ● Class evaluation
Apr 26 Wed	Final exam review	Study Materials: • Final Exam Topics
Apr 27 Thurs	Dead week	No Lab
May 1 Mon	Final Exam	8:00am - 11:00am, Hunt Library Auditorium

Have a great summer!